

Lake Carmel
7 1/2' SeriesUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH13.52
4.7E

RECORD OF WELL

Carmel 15' Quad
15Y 6.95 2.4E

P170

1. Location: State N. Y. County Putnam
 Nearest P. O. _____ Direction from P. O. _____
 Distance from P. O. _____ miles; _____ 1/4 sec. _____, T. _____, R. _____
 If in city, give street and number Town of Carmel

Locate well on plat of section.

2. Owner: Town of Carmel Address Between Carmel & Mahanick
 Driller: Louis Mahanick & Son Address Croton Falls, N. Y.

3. Situation: Is well on upland, in valley, or on hillside? hillside

4. Elevation of top of well: 560 ft. above the level of sea
 (Above or below) (Sea, depot, lake, or stream)

5. Type of well: drilled; kind of drilling rig used standard
 (Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)

6. Depth of well: 209 ft.; year in which well was finished 1947 (May 12)

Does well enter rock? yes; if so, at what depth? 2 ft.; kind of rock granite

7. Diameter: At top 6" inches; at bottom 6" inches.

8. Principal water bed: seams all the way down
 (Gravel, sand, clay, or rock. If rock, state kind)
 Depth to principal water bed _____ ft.; thickness of bed _____ ft.

If other water supplies were found, give depth to each _____

9. Casings: Kind steel; size 6"; length 12 ft.; between depths of 0 and 12 ft.
 Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
 Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.

Packers (if any): Depth at which packers were used none; kind _____

Screen or Strainer: Was well finished with screen? no; kind of screen _____;
 length of screen _____ ft.; diameter _____ inches; size of openings _____

10. Head: Does well at present overflow without pumping? no; did it overflow when new? no;
 if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
 original pressure or head _____; if not flowing, give water level in well 85 ft. below surface.

11. Pump: Is the well pumped? _____; kind of pump _____;
 size or capacity of pump _____; kind of power _____

12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
 well has been pumped at 10 (driller) gallons per minute continuously for 2 1/2 hours;
 quantity of water ordinarily obtained from well 15 (operator) gallons per day.

13. Use: For what purpose is the water used? drinking for several employees, washing, down

14. Quality of the water: _____; is there an analysis? _____

15. Cost of well, not including pump: _____ Temperature of water _____ ° F.

Name of person filling blank J. Page from driller

Date June, 1949 Address W. Mahanick from Louis Mahanick

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL
(Give color and tell whether hard or soft)

DEPTH, IN FEET

From—

To—

THICKNESS,
IN FEETREMARKS
(Especially information as to water found)

Harder below 100 ft. depth
"Seams of water all the
way down."

records \rightarrow Drilling speeds Bits

rough
smooth

drilling
spurs

Test pumped at 10.6 g.p.m. for $2\frac{1}{2}$ hours with 45' draw down

~~Town of Carmel.~~

Driller's Record

Route 6.

We didn't work Wednesday because it rained very hard all day, but on the following day 3rd we set up and drilled 10 feet. On April 4, 5 and 6, 1947 we went to New Milford. On April 7 we drilled down to 11½ feet with the 8" and then put in the 6" casing. We made 8 feet this day. On April 8, we made 16½ ft. making a total of 34½ feet with 4 bits. The first 100 feet drilled good, but after that the rock was hard and we had to change bits every 2 hours. We got the new machine while working here and Clark Nelson started helping. Tested out on May 12, 1947. We took out 1600 gal. and dropped the level from 85 to 130 feet in 2½ hours. At 130 ft. the float showed 5 feet or 7½ gallons. The pipe (6") was cemented in.

209 ft. deep - 12" pipe - 10 to 15 gal. - 85 ft. level.
Took down May 13, 1947.